The Multi-Role Radar System (MRRS)

DESCRIPTION

The Multi-Role Radar System (MRRS) is a highly mobile radar system to be employed by the Marine Aviation Command and Control System (MACCS) in all phases of Marine Corps operations including Joint or Combined operations. The system will serve as a Gap Filler radar by providing 3-D coverage of those areas out of view of the AN/TPS-59 (V) 3 due to terrain masking or other line of sight limitations. Additionally, the radar will be capable of providing radar cueing data to all short-range air defense units deployed in support of the MAGTF. The radar is intended to replace and perform all the missions currently associated with the AN/TPS-63 radar, AN/TPS-73 Air Traffic Control radar, and the AN/MPQ-62 surveillance radar. The radar will have connectivity to the Cooperative Engagement Capability network. The radar will be deployed early during Operational Maneuver from the Sea (OMFTS) to augment sea-based air defense sensors and command and control capabilities.

PROCUREMENT PROFILE:	FY00	FY01
Quantity:	*0*	*0*

OPERATIONAL IMPACT

The radar will provide the speed and flexibility required for enhanced low level Air Breathing Targets (ABT) detection identification, and tracking in the execution of OMFTS, Sustained Operations, and Other Expeditionary Operations. Execution and support of these strategies requires the maneuver and control of aircraft, Cruise Missile, and Unmanned Air Vehicle assets from ships well over-the-horizon direct to objectives at much greater distances inland than has been historically required. In addition, the radar will be capable of cueing and reporting on targets detected within its coverage limits to designated air command and control agencies. The reduced logistical footprint of the Radar will enhance the capabilities of MACCS elements in support of all phases of MAGTF operations. Once ashore, the Radar will possess the mobility required to keep pace with supported maneuver elements, and will complement the Marine Corps' long range radar, the AN/TPS-59 (V) 3, by providing accurate low-level ABT tracks.

PROGRAM STATUS

The MRRS has been submitted for the FY02 POM cycle. It is currently pre-milestone 0.

DEVELOPER/MANUFACTURER

TBD